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REGULAR COLUMNS

ANTENNA TOPICS (Dan Farber/Kent Britain)

Antennas out of Wood, Ink and Plastic (Kent Britain)	
Keep it on the Down Low – Get on 160 and 80 meters (Dan Farber).	
What's My Line? Understanding Transmission Lines: Balanced vs. Unbalanced Feeds; The Miracle of Coax. (Dan Farber)	
Diversity Antennas: Antenna Switches; RFID and Hi tech Pick-Pockets; Future Topics (Kent Britain)	
Improvise, Adapt, Overcome Get Creative with HF Antenna Solutions (Dan Farber)	
Chameleon Revisited: A Little More Height, Better Results (Dan Farber)	
Marvel Communications' Antenna Factory (Kent Britain)	
Antenna, Feedline and Ground Linking Our Radios to the Cosmos (Dan Farber)	
Receive-Only Antennas – A Shortwave Listener's Perspective (Dan Farber)	
TV accessories you can use with your Scanner or SWL Receiver: Coax Cable, Splitters, Inline Amps, A-B switches, FM traps (Ken Britain); Size Matters: Antennas for 10 and 6 Meters (Dan Farber)	
Antennas of the Past: WWII-Era Skyhooks: The Granddaddy of Coax; Quarter-Wave Matching Old School; Doctor "J" Back in the Day; Directive Antennas: Ghost Town, Not Boom Town	
ASK BOB (Bob Grove)	
Lightning rods; Antenna Adapters; Reusing obsolete transceivers; R75 power supply; Narrow-handling and scanning; Old marine mics; Finding wireless mic interference; Cell phone bi-directional amplifiers.	
Public service dispatching via the Internet; Coax vs. ladder line; Do CFLs really save money; How AM stations survive; Static on 700 MHz; Why AES replaced DES; What happened to car antenna trimmers; Do all cell phone systems use 800 MHz? HD-FM signal drop-outs; PTT switch on CB sets; car antenna trimmers; International	

	broadcasters still on 40 meter ham band; Powering desk scanner in power failure; Origins of rack dimensions; Flight levels; 800 MHz interference; Shape factors in narrow-banding VHF-UHF frequencies.		useful for 911; Broadcast tower voltage, RF or AC; Attic mounted antenna vs. solar panels; WiFi reception from 15 miles	Distance, Runway Numbering, Routes, Wind.
APR	More on railroad radio; Local-acid battery formula; PAR Enf fed vs. dipole; Transceiver for 902/1240 MHz; 4 Ohm speaker vs 6-8 Ohm speaker; FRG-100 antenna connection: high or low?	DEC	Running portable radio on low voltage; Difference between zip cord and speaker wire; Elliptic high-pass filter vs nearby AM transmitter; How remote antenna preamps work; Cause of corrosion on car battery terminal; Halogen lamp RF interference; In-line preamps and receiver desensitization; Using a Uniden Home-Patrol in a car; Connecting a wire antenna to a portable radio antenna jack.	TRAINs: Infrastructure Inspection and Office Car Specials: track Inspection, Sperry Trucks, "OCS headed your way;" Background Sources; EOT and DPU Frequencies.
MAY	DC power lines re-examined; Eavesdropper dipole installation; Digital modulation on MURS frequencies; HF vertical vs horizontal; "Invisible fence" as longwave antenna; Alkaline battery ratings; Listening for bats and insects on 10 Hz.			BOATS: You Never Know About Radio . . . ; Request for Information; Caribbean Marine Radio; Marine Guide; GLMMNet; Pacific Maritime Mobile Service Net; Mailbag.
JUN	UHF/VHF mobile ham antenna and scanner reception; Improving discone scanner antenna reception; Low modulation on marine channel 72; Where are all the stand-alone DRM receivers?; Will Software Defined Radios work well in an indoor electrical environment?; Can electric fences be fatal?			PLANES: Aviation-related Frequencies: NDBs; HF Aero Frequencies; The 108-117.975 MHz Band; The 118-136.975 MHz Band; Closing Thoughts
JUL	Antenna for a tube-type shortwave radio; Ability of an H-900 active antenna to reduce HF interference; Best receiver for listening to Non-Directional Beacons; Best frequencies to hear U.S. hams; wall socket voltage readings; Attenuated sensitivity on AM band in receivers; Narrow-banding and Interoperability requirements regarding scanner listening.	JAN	New Year, New Horizons; Small Antenna, Big Results; Chasing Lofers, Tuning into Natural radio; Mailbag; Selected NDB Loggings.	TRAINs: DPUs Keep the Trains Moving
AUG	Stand-off insulators for 450 ohm ladder line; SDR using Windows Vista; Using CFLs in a floor lamp; Matching a horizontal loop antenna; Auto-tuning a PAR End-Fed antenna; Ceramic vs monolithic capacitors; Improving digital reception on a scanner. Correction and oversight; Horizontal loop details; Earth SW broadcasts on ISS; Using two SW receivers on the same antenna; Grounding a wire antenna; Drugstore tube-testers; Who keeps track of space debris?	FEB	RDF-304 Wrap-Up; Mailbag.	BOATS: New and Old and New Again; Savannah, Georgia; Alaska; New York State
SEP	Crowded FM reception; Satellite broadband and SDR reception; 700 MHz intermittent reception; Substitute coupler for H-800 active antenna; Where did all the drive-thru chatter go? Mars rover frequencies; C-band dishes; digital TV reception.	MAR	Bits & Pieces; A Modest LF Shack; Farewell to Beaconfinder II; basement Band Loggings; Mailbag; Hifer Beacons; A New Project; NASWA Winter SWL Fest	PLANES: Aircraft and Altitude TRAINs: Stepping Back; More on Multiple Units; Doubling and Tripling a Hill; PTC Update; Override; PTC Mapping
OCT	Shortwave radios from the 30s and 40s compared to today's sets; Mystery of the salvaged tower; Random wire antennas on the ground; Why CFLs will light even when turned off; Unsubscribed cell phones still	APR	Q&As about NDBs; Mystery Signals Miskeyings; Loggings; Bendix Navigator 420.	BOATS: Fall Listening; Unusual Radio Monitoring; HF Radio; Maritime Radio Historical Society; Local Activity
NOV		MAY	Bendix Navigator 420: Gaining Access; 472-479 kHz Ham Band; Mailbag; E1XM Update; Loggings	PLANES: NTSB: The Nation's Air Safety Investigators
		JUN	Navigator 420 Wrap-Up; Loggings and Mailbag; Missed Approach; Kindling Some Interest; Web Outakes	TRAINs: Operators, Interchange and Priority Channels
		JUL	Additions, Corrections, Comments and More; Loggings; Titanic Movie; Unidentified Beacon; Kindling Some Interest; Defining DX	BROADCAST BANDSCAN (Doug Smith) (even months)
		AUG	Allure of Longwave	FEB The AM Dial – Stations Coming and Going; Montreal 690/940; And Across the Pond . . . ; More New Stations; Non-Commercial Stations = No Commercials; FCC Still not Buying; Mailbag; Bandscan Station Report.
		SEP	Summertime, Summertime; Summertime Mailbag; Loggings	APR We Pause for Station Identification: What, When, How, Which; FCC Changes Stance on Moving; Time Splitting, April Bandscan Station Report.
		OCT	ID, Please?: World Aero Data, AirNav; North America Radio Beacons; PilotNav; RNA Database; Going First Class; Loggings	JUN When is a Test Not A Test?; LPFM vs Translators; Tolerance; New Toronto FM.
		NOV	Getting on the Band, Cheap!	AUG Over-the-air TV in Canada: Going, going, gone?; And in the U.S. . . ; A new kinda-DX publication: 2012 <i>Baseball Listeners Guide</i> ; QSL Woes; Another News/Talk Station on FM; Get'em while they're Hot!; Frequency Trumps Power?; Band Scan Station Report
		DEC	Gone but Not Forgotten: Longwave at Sea, Longwave and Aviation; The "Last Radio Station;" Mailbag	OCT Digital Radio in Mexico; And in the U.S.; How about digital TV?; New TV Stations; 540 & 1550 kHz; English ou Francaise? Station Report
				DEC AM Salvation; Montreal 690; New AM Log
				COMMUNICATIONS (Ken Reitz)

JAN	<p>Amateur Radio/Shortwave: BPL: It is Alive; ARRL: 700,000 U.S. Hams; Cost of QSling Rises (Again)</p> <p>AM/FM/TV Broadcasting: FCC Threatens TV Broadcasters</p> <p>Old Spy vs. New Spy: Russian Spies Used Shortwave Radio; Chinese Military Hacking U.S. Satellites</p> <p>FCC Enforcement: Pirate Cat's Monkey \$10k Fine Affirmed; More Pirates Walking the FCC Plank</p>	<p>Public Service: NYC Tries to Sell Back \$549 Million System</p> <p>Satellite: Solar Flare Predictor Aging; Politically-Tinged LightSquared Shambles; bChina on WX Sat Spree</p> <p>FCC Enforcement: The Usual Suspects; Sloppy AM Op Fined \$25,000</p>	<p>FCC Enforcement: Major FM Pirate Hit with NOUO; Dog Shot in Pirate Raid; FM Pirate is Also a Ham; Talkative Miami Pirate Silenced</p>
FEB	<p>Amateur Radio/Shortwave: 60 meters Gets a Facelift; BBC's "Arab Spring" Bump.</p> <p>AM/FM/TV Broadcasting: Radio Seagull Test 1393 kHz; 100s of DJs Lose Jobs</p> <p>Public Service: Encryption Trouble in Winnipeg; AP Report: Scanning Now All or Nothing</p> <p>Satellite: BBG: Stop Iran Sat-Jamming; Keychain Satellites Swarm Lower Space; Russian General: HAARP Killed Phobos!</p> <p>FCC Action/Inaction: FCC Revolving Door Cranks Up; Broadcaster Public Files Policy to Change; Gripe, Gripe, Gripe.</p>	<p>Shortwave/Amateur Radio: Fred Maia W5YI SK; AMSAT Fox-1 Next to Fly; Blonder-Tongue Buys R.L. Drake Co.</p> <p>Public Service: WA Radio System under Fire (Again)</p> <p>Cable/Satellite-TV: Sirius/XM Savior new Stalker; FCC Report: Cable-TV Prices Up; Cable, OTA-TV Viewing Puzzle</p> <p>AM/FM/TV Broadcasting: FCC Set to OK LPRM Permits; TV on iPad: "Data & Money Guzzler"</p> <p>FCC Enforcement: Jersey Crackdown; Break 1-9 for Tacos in Texas; Tennessee FM Pirate: \$22k Fine</p>	<p>Public Service: Oakland Radios Fail (Again); Allentown (PA) PD Encrypts</p> <p>Technology: Police Cell Phone Spying Rises; FCC to Study RFR</p> <p>FCC Enforcement: Free Radio Olympia Busted</p>
MAR	<p>Amateur Radio/Shortwave: HAM Nation Archives on iTunes; Ham Radio: Fountain of Youth; FCC: KJES off by 21 Hz; Radio's Dark Side: Cartel Network.</p> <p>AM/FM/TV Broadcasting: FCC OKs Media Ownership Changes; Prometheus "Get Radio!" Effort</p> <p>Public Service: Experts Explain P25 issues.</p> <p>Satellite: AirTrans Ditches XM African Satellite Mystery; Russian Satellite Irony; LightSquared Dares FCC.</p> <p>FCC Enforcement: FM Pirates and Taxi Drivers Cited; CBer Cited for CB Interference; FCC Goes Clubbing in S.F.</p>	<p>Shortwave: BBG Reverses on China, Tibet; Edward R. Murrow Station Rededicated</p> <p>AM/FM/TV Broadcasting: TV Band Repacking Nightmare; Pandora: No.1 Station in L.A.?; OTR Mystery Solved</p> <p>Public Service: Chicago PD Gives FCC a Grilling; Santa Cruz PD Offers App</p> <p>Satellite: U.S. Satellites: Two Different Worlds</p> <p>FCC Enforcement: Ham Gripes Finally Heard; Numbskulls on Parade; New York Crackdown; Fine Reduced in EPIRB False Alarm; Non-Com hit with \$22,000 Fine; No Staff at Studio: \$10,000</p>	<p>Domestic BBG Ban</p> <p>Reconsidered; FCC Readies OTA Auction Date; West Palm Beach OpenSky® Fiasco; Good Karma; Bad Karma</p>
APR	<p>Amateur Radio/Shortwave: FCC-2, K1MAN-1 in Confused Case; BPL Withers on the Vine</p> <p>Public Service: DoJ Report \$350 million flop</p> <p>Satellite: SBCA Fights Philly Dish Ban; Web hackers Want Their Own Satellite</p> <p>AM/FM/TV Broadcasting: Survey: HD-Who?; First White-Fi Goes Live.</p> <p>FCC Enforcement: Hospital Security gets it Wrong; Lounge Jamming Keyless Locks; FCC Sweeps FL Swamp.</p>	<p>Amateur Radio/Shortwave: RCI Shambles / Vatican Radio Cuts; BBG FM Outlets Cut During Elections</p> <p>AM/FM/TV Broadcasting: New WTC Broadcast Tower Readied; AT&T Presses FCC on New Spectrum; ATSC to Offer Non-Real Time TV</p> <p>Satellite: Spy-Sat Crumbs fall to NASA</p> <p>Technology: Cell Tower Deaths Probed; Windular: Cell Tower Power</p> <p>FCC Enforcement: Pirate FM: \$10k, Snubbing FCC: \$5k; AM Op Blames Computer</p>	<p>SO2R and SO2V</p> <p>DIT Computers: Standardization; Sources for Parts; Sound Cards; Cases; Firing it Up</p>
MAY	<p>Amateur Radio/Shortwave: New Law Seeks Amateur Radio Study; BBG Sells Shortwave Short (Again); Andy Sennitt Closes Media Network Blog</p> <p>AM/FM/TV Broadcasting: TV Spectrum Auction Uncertainty</p> <p>Technology: Antenna Design Resembles . . . Pasta</p>	<p>Amateur Radio/Shortwave: Illinois OKs State PRB-1; DRM Glacier Inches Forward</p> <p>Public Service: Pasadena PD Allow Press Scanner Access</p> <p>AM/FM/TV Broadcasting: An All-HD AM Future?; AM Radio? Nothing Comes to Mind; FCC Under Fire on Repacking</p> <p>Satellites: Billionaires Compete in Launch Biz</p>	<p>DIGITAL DIGEST (Mike Chace)</p> <p>JAN Saudi RTTY; Irish Navy Codan; Better Conditions Finally!</p> <p>FEB Spotlight on Morocco: Moroccan Army Network; Moroccan DGSN; Moroccan Diplomatic Service; Update on Mystery PacTOR Networks.</p> <p>MAR Bobobos, the Congo and another Mystery ALE Net: Max Planck Institute's HF Network; Congolese National Police; The KM3 Mystery ALE Network.</p> <p>APR KM3 ALE Net and Angolan Military MISSANG; The KM3 Mystery Net Revealed; Angolan Mission to Guinea-Bissau; More Congolese Channels; Changes at CFH Again.</p> <p>MAY Spotlight on Algeria (Part 1): Air Force; Army</p> <p>JUN Spotlight on Algeria (Part 2): Navy; Railwats; DTN (Direction des Transmissions Nationales); Oil & Gas; Police (DGSN);</p>
JUN			
JUL			
SEP			
OCT			
NOV			
DEC			

JUL	Customs; State Intelligence Service (DRS) The CCIR 493-4 Selcal (and Networks You Can Hear Using It); HFoZ; RadTel; VKS737 Network; Colombian Military Network; Unidentified Arab Network	APR Alinco DJ-V57 Hand-held Dual Band Transceiver (Bob Grove); The Take Charge Power Savers (Bob Grove) MAY GRE PSR-120 Hand-Held Scanner (Bob Grove) JUN The Kindle Fire Tablet (Loyd Van Horn) JUL Signal Hound Spectrum Analyzer / Measuring Receiver (Bob Grove); Uniden Bearcat 880 CB Radio (Larry Van Horn) AUG Bonito 1102S RadioJet Shortwave Receiver (Bob Grove); C. Crane Twin Coil Ferrite™ AM Antenna (Bob Grove) SEP Digital Dave's Delightful Degen DSP Disclosure - A Review of the Degen DE321 (Dave C. Schmarder) OCT Tablerock "Shortwave Daddy" Receiver Kit (Bob Grove); Uniden BC125AT Scanner (Larry Van Horn) NOV DXtreme Reception Log (Loyd Van Horn) DEC Quantum QX v3.0 AM Loop Antenna (Loyd Van Horn)	FEB Radio Doomsday? The end of the world online – Mayan style; Praising the Antenna'; GlobalNet Mailbag. MAR Cutting the Cable – Streaming Video: How has the Streams? Netflix, Hulu, One, Other Services, Devices to consider, Mobile Devices. APR Remote Roundup!; Spring Cleaning in the Mailbag; A Google Streaming Device. MAY New Ways to Talk Amateur Radio; WWW Dot Breaker 1-9; Royalty Debate Rages On; GlobalNet Mailbag. JUN Island Trippin'! JUL Feeling Fried? Maybe it's not just the heat . . .; Epix Coming to Apple? AUG It's Convention Time!; Amazon Comes to Xbox 360; Verizon FIOS ups the ante on internet speeds; Everybody's a Streaming Expert; Jango? SEP The Future of Internet Radio – Could it one day come at a cost?; Clear Channel Agrees to Performance Royalty?; How? Let's take a look; Shortwave Ver. 2.0; Sometimes Less is More OCT "Arrrr, There be Radio in Them 0s and 1s!": Embracing Your Inner Pirate; For those who would rather listen; The Dedicated WiFi Radio; Smartphone Apps; Oh Yeah, There is Also Your Computer; GlobalNet Links NOV All Hail the Internet, Savior of DX (Wait, What?!) DEC Need a Boost? How to Get the Most out of Your WiFi Signal; GlobalNet Mailbag
	EDITOR'S SOAPBOX (MT Editorial Staff)		LETTERS (To the Editors)
Apr	Why Does the FCC Continue to Outlaw The Manufacture of Scanners with Cellular Telephone Frequencies? (Bob Grove)	JAN Best FTA Satellite Receiver Ever!: Manhattan RS-1933 Advantage FEB More FTA Satellite and Readers' Questions: Murphy Lends a Hand, LNB Idiosyncrasies, DMX741 Performance; More Comment on Wi-Fi Radio; Chasing HD-Radio. MAR Free-to-Air Satellite Revisited and AM DX: Return to TVRO; Doug's AM Challenge; More AM HD DX Intrigue. APR A Reader's HD-Radio Experience and More; Monitoring the International Space Station; Pirate Radio Yesterday and Today. MAY Living the Very Limits of Your License Class: Technician Class Rigs; Technician Class Antennas; SWL to Tech Op in Weeks JUN Resurrecting a 2 Meter HT and Logging TVDX JUL C-Band FTA: How small can you go? AUG The Curious World of HF Pirate Radio SEP Beginner's Update: Antenna Lead-in OCT The More Things Change the Better They Get . . . Mostly: The Inescapable Digital World, New and Improved TV Sets, The Price of Progress NOV The \$467.56 Radio Buying Challenge DEC Why We Need More Beginners and How You Can Help	JAN Thanks for Your Feedback; Satellites and New Tech; Views From an Old-Timer; Shack Cat; Weather Radio Tip. FEB Happy MT Readers / Listeners; Weird Antenna; Railroads; Vintage with a Vengeance; Good-Bye to Bert. MAR Can't Get Enough Oldies; AM Radio Companion; Whats That Station?; Who is Killing AM Radio?; Baby Boomer Radio; Air Show Addenda. APR Encryption and Public Safety MAY Old Service, New Thrills; Free to Air JUN Fred Maia W5YI; ISS Packet; MT Express on Kindle Fire; The Changing Scene in AM JUL Scanner Squeeze; There oughta be a law; A better way to read EDACS; CW in the Movies: In Recognition: Rachel Baughn, MT Managing Editor 30 year anniversary celebration AUG RTTY Memories of VOA; Railroads and Districts; RCA
	THE FED FILES (Chris Parris) (odd months)		
JAN	A Fed Files Road Trip – New York City; DOJ "25 Cities" Project Marches On; TSA Changes Continue; IBWC Agency Close-Up.		
MAR	Searching the Good Search; NOAA Office of Marine Fisheries; Fed Files Wonderland – DC.		
MAY	Scanning Super Bowl XLVI; The End of the IWN?		
JUL	The IWN in Operation; Scanning the Diplomatic Security Service		
SEP	A Fed Files Radio Safari – Southern Nevada; Scanning the Diplomatic Security Service, Part II		
NOV	2012 Political Conventions; WHCA 166.5125 MHz Mysteries; Department of Education OIG; Tucson Scanning		
	FIRST LOOK/ MT REVIEW		
JAN	Home Patrol "Extreme" Firmware Update (Bob Grove); PAR EndFedZ EF-SWL Antenna (Larry Van Horn)		
FEB	Alinco DJ-G77 Hand-held Tri-band Transceiver. (Bob Grove); CC Gozo AM/FM Radio (Larry Van Horn)		
MAR	WINRadio G39DDCe Wide-Frequency Coverage Receiver (Bob Grove)		
	GLOBAL NET (Loyd Van Horn)		
	JAN Do you really need a tablet?		

SEP	Model 86T-1; Aero Listening from Wyoming MT's Got It All; GE's Pioneer BC Station; Radio Museums; Check This Out!	AFB Profile; 8-9 MHz OR Aeronautical Sub-Band Scan, ARTCC Update: Indianapolis ARTCC	FEB	Cruising around the Dials: Africa, Ireland, The Navy Lark; Recommended Listening; The Immortality of Broadcasting.	
OCT	Note from the Publisher: New Managing Editor; Print Reader Switches to MTExpress; U.K. Analog-to-Digital Blues; Still Listening after all these Years; Kent Britain's 4 Element 2 Meter Yagi Design (MT January 2012); Pioneer broadcast Building in Trouble; Correction	DEC	Aerial Refueling Frequencies in North America	MAR	Alternative Talk Radio: Alternative Programming Sources; Talk is Cheap; It's All Greek to Me; YouTube.
NOV	The Kids are Right; MT on iPad; The Noise of "Digital Progress;" MT Slightly Smaller			APR	Quick Trip around Eastern Europe: Albania, Bulgaria, Czechoslovakia; Hungary, Poland, Romania; Whats New; Whats Not So New; Programming Spotlight Time Machine; A Titanic Event.
DEC	Operating SDR on Linux OS; Antenna Mystery Solved; RF Interference Issues Updated			MAY	May Flowers and Music: Eurovision Song Contest; Summer Programming; Music to My Ears; Radio Romania International; Radio Japan; WYFR; Voice of Russia; Back to the Archives . . .
	MILCOM (Larry Van Horn)			JUN	Radio Canada International's Last Hurrah? PCJ Media; Speaking of History . . .; WEWN Marks 20 years of broadcasting
JAN	Monitoring NORAD and Combat Air Patrols; ARTCC Update: Jacksonville and Miami ARTCC.			JUL	Spotlight on Asia; Switzerland in Sound; Canada Day; Yugoslavia; European Monetary Crisis
FEB	DoD Challenges and Changes: Milcom Spectrum Holes; New Names for old DoD Bases; Milcom Frequency Updates / Changes; New U.S. Air Force Callsigns; Navy MARS Changes Frequencies.			AUG	Summertime and the Livin' is Easy: Diamond Jubilee; Radio Tirana Today; RCI Requiem; RFI=Radio France Internet?; Germany to Africa; Rest in Peace, Mr. Trololo
MAR	Monitoring the Air Show Experience Equipment and Tips; Air Show Resource Guide.			SEP	Revisiting the Former Yugoslavia; Radio New Zealand; Alternative Sources of Programming
APR	Changes in the Weather; USAF Red Flag Frequencies; The Last Deployment Workup – USS Enterprise COMPUTEX/JTFEX; ARTCC Update: Memphis and Houston ARTCC.			OCT	Weekend Shortwave Radio: Sunday Listening Highlights; Weekend Listening Highlights; Recommended Listening
MAY	New Data on DoD Trunk Systems: AF Space Command Nationwide System; Eglin AFB Trunk Radio System; Fort Benning/Camp Merrill Range Training Trunk Radio Network; ARTCC Update: Fort Worth			NOV	Spanish, a Language without Bounds; China Radio International; Presidential Election; Folk Box from VoR
JUN	Requiem for HF at Malabar; Potomac TRACON Frequencies; ARTCC Update: Kansas City ARTCC			DEC	Seasonal Favorites from Around the World
JUL	Who ya gonna call? A Navy RDC!; Navy ELMR; Navy Southeast Region TRS				QSL REPORT (Gayle Van Horn)
AUG	Naval Region Southwest Radio System: ARTCC Update: Chicago ARTCC			JAN	Bringing Blue to the World
SEP	Is the Cold War Really Over?; UHF Milsatcom Pirates Still Active; UHF Milcom Spectrum Holes; 380-400 MHz Aero Frequencies?; CAP Aircraft Radios to Encrypt; MilAir Nationwide Frequency Updates; A Good Friend Has Left US – Don G. Edwards, N2NUM (SK)			FEB	Rhein Main and Special Event QSLing
OCT	Milcom HF Aero 'OR' Band Scan Survey; Milair Nationwide Frequency Updates; 11 MHz 'OR' Aeronautical Sub-Band Band Scan			MAR	ODXA Announces New QSL Manager; New Peruvian Stations: Aroma Café Radio and Radio Universal; Bill Plum's DX Stamp Service.
NOV	Two New Air Force Thunderbird Frequencies Discovered; Scott			APR	Staying up to date a major key to QSLing.
				MAY	ARRL and CQ Sign Awards Agreement.
				JUN	Anniversary and Field Day QSLing
				JUL	Firecracker Special 2012
				AUG	RFA Offers the Olympic Panda
				SEP	QSLing from the Most Wanted List
				OCT	QSL Contact Updates
				NOV	QSL Bytes
				DEC	Countdown of the Season
					RADIO RESTORATIONS (Marc Ellis)

JAN Military Telephone Instruments: Headsets, Microphones, Sound Powered Phones, Loudspeakers; From the Readers.
 FEB Aligning the Meissner "Broadcast 7"; From the Readers.
 MAR Buttoning up the Meissner "Utility" Broadcast Set.
 APR Starting Up a Vintage Radio
 MAY Signal Tracing and Signal Injection
 JUN Troubleshooting Continued: Voltage Checks
 JUL We Find an Arvin "Metal Midget"
 AUG More on the Midget Arvin and Sets You Don't Want to Plugin!
 SEP Finishing up the Arvin Project
 OCT The Howard 430 – A Brand New Project: Howard History and Products; About the Howard 430; Getting Inside the 430; Preliminary Inspection and Testing; From the Readers
 NOV Getting to the Howard's Dial System; From the Mailbag; A.C.-D.C.s for Farm and City
 DEC How Many Volts to Light a Tube?: Storage Battery Tubes, Dry Cell Tubes, The First AC Tubes; Development of the Cathode

SCANNING REPORT (Dan Veeneman)

JAN Terrestrial Trunked Radio (TETRA)
 FEB The Benefits of Sharing: DuPage County, Illinois; Los Angeles, California; Meriden, Connecticut.
 MAR Scanning the Pacific Northwest: Tacoma-Puyallup, Seattle; Control Channel Only; Unified Regional System.
 APR Sun Setting on EDACS: Montgomery, Alabama. EDACS End of Life; Project 25; New Montgomery System; Montgomery EDACS; Iowa; Florida SLERS; Walton County, Florida.
 MAY Not All Change is Bad: Frederick, Maryland; Baltimore County, Maryland; State of Maryland; Dayton Hamvention
 JUN Responding to Reader Request: Bayville, New Jersey; Santa Fe, New Mexico; Eastern Alabama.
 JUL Responding to Reader Request: Harbor Springs, Michigan; Wisconsin (Monitoring WISCOM); Rock County, Wisconsin; Leon County, Florida
 AUG Decoding Digital Data; Charlotte-Mecklenburg County, North Carolina; Encryption Weakness
 SEP Adapting an AOR8000 to Change; Central Virginia; Lawrence County, Indiana; Allen County, Indiana
 OCT Coping with Old and New Systems Where You Live: Pennsylvania; Choosing a Scanner; Lancaster, Pennsylvania; T-Band

NOV The Encryption of Lehigh County: Allentown Pennsylvania; EDACS Digital Voice; ProVoice Encryption; Framing; Technical Weakness; Outsourcing; Cracking; Allentown EDACS: Agency-Fleet-Subfleet; Allentown Police
 DEC Scanner Terminology: Narrowbanding, Frequency Synthesis, Microprocessors, Trunking, Digital Voice, Error Correction, Logic Channel Numbers; Johnson County, Texas

SHORTWAVE GUIDE (Gayle Van Horn)

JAN English (24 hours); Chinese 0000-1400 UTC
 FEB English (24 hours); Chinese 1400-2300 UTC; Spanish 0000-0600 UTC
 MAR English (24 hours); Spanish 0600-1600 UTC
 APR English (24 hours); Spanish 1600-2300 UTC
 MAY English (24 hours); Portuguese 0000-1200 UTC
 JUN English (24 hours); Portuguese 1200-2300 UTC
 JUL English (24 hours); Arabic 0000-1800 UTC
 AUG English (24 hours); Arabic 1800-2300; Chinese 0000-1100 UTC
 SEP English (24 hours); Chinese 1200-2300 UTC; Spanish 0000-0300 (Partial)
 OCT English (24 hours); Spanish 0400-1600 (Partial)
 NOV English (24 hours)
 DEC English (24 hours)

SKY SURFING (Amateur Satellites - Keith Baker / Radio Astronomy - Stan Nelson)

FEB HAMSATS: Spotlight on VUSAT OSCAR 52 (VO-52); ARISSAT-1 Update; AMSAT's Next project; Fox Details; Looking Ahead.
 MAR RADIO ASTRONOMY: Adventures in Amateur Detection: Are There Pulsars in Your Future; Cosmic Ray Telescopes; Meteor Shower / Solar apps for the iPhone / Android; Name That Array; Some Radio Astronomy Reading; GPS Service Degradation on demand; Radio Jove Update; Radio Astronomy in the Movies.
 MAY HAMSATS: Spotlight on UoSAT-2 (UO-11); AO-51 Goes Silent; The Demise of ARISSat-1; AMSAT's Next Project: FOX
 JUN RADIO ASTRONOMY: Radio Telescope Concepts: The RFSpace SDR-IQ DSP Receiver; ARGO Weak Signal Software; Denver Radio Astronomy Site; Radio Astronomy in the Movies
 AUG HAMSATS: A Flock of Other Amateur Radio Satellites Part 1: An Aging Fleet; The Cubesats;

PW-SAT; DO-64 (Delfi-C3); FO-69 and FO-70 (Fastrac 1 and 2); AO-70 (AubleSat-1); Project FOX Update; Looking Ahead

SEP RADIO ASTRONOMY: Spying on Exoplanets; GNU Radio for Radio Astronomy; Solar Monitoring in Alaska; Radio Astronomy Workshop; Radio Astronomy in the Movies
 OCT HAMSATS: A Flock of Other Amateur Radio Satellites – Part II: RAX-2, SwissCube; PRISM; Project FOX Update; Looking Ahead; Of Cubesats and Peapods

DEC RADIO ASTRONOMY: Radio Noise from Hale-Bopp Comet?; The Cassiopeia A Radio Source; What to Do with a Surplus Dish; Video of the VLA Using Time Lapse; More Cheap Astronomy Books; NRAO VLA Sky Survey; Radio Astronomy in the Movies; Links Used in Column; Meteor Burst with Argo; FUN Cube Dongle SDR Radio

UTILITY WORLD (Hugh Stegman)

JAN Russia Spy Caught Decoding Numbers; The Last Frontier: VHF Lo.
 FEB The Beginners Guide to Funny Noises: Cedar, Chirpsounders, Over-the-Horizon Radar, Equipment Malfunctions; The HFGCS Phaser; Eight Niner Eight Niner.
 MAR Polytone and Espionage - Some Questions Answered: Spies and XPA; Digital Selective Calling; Taiwanese Fishery.
 APR CFH Weather Broadcasts Return – For Now: Canadian Maritime Publications; Changes at 4XZ; WRC-12 in Progress; Sea Surface Radar; 600-Meter Amateur.
 MAY WRC-12: New Amateur Band and More; More DSC; Number Tidbits
 JUN Numbers: The Strangeness Continues: EV01; The Big Buzz
 JUL WRC-12 Defers "Leap Second" Decision
 AUG Beating the Short Wave Summer Time Blues: Grey Line Propagation; Hurricane / Tornado Season, New Orleans FAX Change; Boston Ice Chart Change
 SEP Dutch Spy Bust Fuels New "Numbers" Intrigue; USCG Discontinues Telex; CODAR Chaos May Diminish
 OCT SDRs: Opening a Larger Window – SDR Types, Wide-Spectrum Display, Recording, Digital Modes, Conclusion; More Funny Noises
 NOV FANS-1/A: Will the Future Doom HF Aero Mobile?; Another UVB-76 Surprise; Utility Hardware

DEC Is Shortwave Dead?: Peeling the Onion; What is Happening on MARS?; Budget Cuts Silence AFN; UVB-76 Resumes Low Buzz

WHAT'S NEW (Larry Van Horn)

Books, CDs and eBooks

JAN *The ARRL Antenna Book* (Print Book); *The ARRL Handbook 2012* (Print Book)

FEB *How to Listen to the World* by Ken Reitz (Kindle eBook)

MAR Mifty New Scanner Mini-Manuals: Uniden BC-396XT/996XT (Print Books); *2012 World Radio TV Handbook* (Print Book); *Klingenfuss 2012 Shortwave Frequency Guide* (Print Book)

APR *Using Your Meter, 3rd Edition* (Print Book)

MAY *Modern Communications Receiver Design and Technology; Emergency Power for Radio Communications* (Print Book); *Getting on the Air with HF Digital* (Print Book)

JUN Profiles in Amateur Radio (Kindle eBook); Air Show Issue in Kindle Format (Kindle eBook); *Images of America-Bay Area Radio* (Print Book); *Utility DXing – A Primer* (Print Book)

JUL Teak Publishing Releases Kindle Book: *QSLing the World* (Kindle eBook); *2012 Baseball Listener's Guide* (Kindle eBook); *Police Radar Operator Error* (Print / Kindle eBook); *Just the Fax!* (Print Book); ARRL Digital QST Now Available; The ARRL Film Collection (DVD)

AUG *Introduction to Amateur Radio Astronomy* (Print Book); *The ARRL Repeater Directory® - 2012/2013 Edition* (Print/CD Books); *The ABCs of Software Defined Radio* (Print Book); *Hints and Kinks for the Radio Amateur* (Print Book); *Pacific Radio Listener Guides* (PDF books)

SEP ARRL's Low Power Communications; Short Antennas for 160 Meter Radio; ARRL Extra Class License Manual; ARRL's Extra Q&A, 3rd Edition

OCT Domestic Broadcast Survey 2012; Utility DXer's QSL Address Handbook

NOV New NRC AM Radio Log Released

Equipment

JAN Grundig S-4500LX Field Radio

FEB AOR ARL2300 Ethernet Controller; Uniden BC125AT Hand-Held Scanner

MAR Epic Emergency AM/FM Weather Radio; Upgrades for Legendary AR8200D; Comtek W2FMI Series Balum.

APR Alinco DJ-G29T Hand-held; Stealth Antenna System (DX Engineering)

MAY InnovAntennas Appoints First American Dealer; DXE-UT-KIT2-D (Coax Prep Kit); DX Engineering Aluminum Tubing

JUN DX Engineering Clamps

JUL Icom America Hamvention Exhibits: ID-31A; IC-2300H, RS-BA1

AUG New Kit and Book Released by the Xtal Set Society; DX Engineering Tilt Base

SEP DX Engineering DXE-UT-KIT-DBR Deburring Kit; DX Engineering 160 Meter Vertical Antenna; New Features for the Delorme inReach Communicator

OCT Icom Loan Program with Boy Scouts; DX Engineering New Coax; MFJ Intellituners Released; RigExpert AA-1000; 70 cm ATV Transmitter from KH6HTV Video; New Array Solutions Coax Surge Arrestor

NOV Icom Showcases Two New Radios at the Tokyo Ham Fair (ID-51A and IC-7100); DX Engineering's New Telescoping Fiberglass Tubing Kit; New Sangean Radios Released: Sangean WR-12, Sangean PR-D14, Sangean RCR-9, Sangean TB-100 Toughbox, WFR-28 WiFi Internet/Portable Radio; GRE PRS-900 Release?

DEC New MFJ Off-Center FED HF Wireless Antennas; MFJ-9211 QRP Balun; 70 cm ATV Transmitter from PC Electronics; Inflatable Antenna Tower from LTA; DX Engineering Maxi-Core® High-Power Multi-Band UNUN; bhi, Ltd. Mini Switch for GAP DSP Speaker; The N0AXS PicoKeyer-Plus Kit

Software

JAN Streaming App for the iPod / iPhone

FEB DXE QSL Scanning Kit (DX Engineering)

APR DXtreme StationLlog – Multimedia

AUG The ARRL Software Library for Hams

SEP Wavecom Releases New Updates

DEC HamCall Announces HamCall on DVD, HamCall Archives; P25 Phase II TDMA Decoding Available?